EFFICIENT QoS SIGNALING for MOBILE IP using RSVP FRAMEWORK

Abstract

A system and method for efficient QoS signaling for mobile IP using RSVP framework in which mobile nodes are connected to correspondent nodes via plurality of intermediate nodes. The method has the steps of: programming in the mobile node for data packets propagating upstream data from a mobile node to correspondent node via intermediate nodes; initiating in the mobile node a first PATH message for upstream data; sending the first PATH message from the mobile node to the correspondent node via the intermediate nodes; programming in the correspondent node for data packets propagating downstream data from the correspondent node to the mobile node via the intermediate nodes; initiating in the correspondent node a first RSVP message for downstream data; sending the first RSVP message from the correspondent node to the mobile node via the intermediate nodes; and thereafter sending REFRESH messages only between intermediate nodes.